

FORM PTO-1 (Modified)	U.S. Dept. of Commerce Patent and Trademark Office	Atty. Docket No.: 1593.004	Serial No.: 09/551,977
CITATION DISCLOSURE CITATION		Applicants: John Polo <u>et al.</u>	
(Use several sheets if necessary)		Filing Date: April 14, 2000	Group: 1643

U.S. PATENT DOCUMENTS

*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
Ble	AA	5,217,879	06/08/93	Huang <u>et al.</u>	435	69.1	
	AB	5,185,440	02/09/93	Davis <u>et al.</u>	536	237.2	
	AC	5,091,309	02/25/92	Schlesinger <u>et al.</u>	435	69.1	
	AD	5,691,177	11/25/97	Gruber <u>et al.</u>	435	172.3	
	AE	5,026,686	06/25/91	Schlesinger <u>et al.</u>	514	17	
Ble	AF	5,505,947	04/09/96	Johnston <u>et al.</u>	424	218.1	
	AG	5,532,154	07/02/96	Brown	435	235.1	
Ble	AH	5,643,576	07/01/97	Johnston <u>et al.</u>	424	199.1	
	AI	5,766,602	06/16/98	Xiong <u>et al.</u>	424	218.1	
	AJ	5,466,788	11/14/95	Ahlquist <u>et al.</u>	536	24.1	
	AK	5,739,026	04/14/98	Garoff <u>et al.</u>	435	240.2	
	AL	5,578,475	11/26/96	Jessee	435	172.3	
	AM	5,789,245	08/04/98	Dubensky Jr. <u>et al.</u>	435	320.1	
	AN	5,814,482	09/29/98	Dubensky Jr. <u>et al.</u>	435	69.3	
	AO	5,843,723	12/01/98	Dubensky Jr. <u>et al.</u>	435	69.3	
	AP	5,591,579	01/07/97	Olivo <u>et al.</u>	435	6	
	AQ	5,851,757	12/22/98	Olivo <u>et al.</u>	435	4	
Ble	AR	5,792,462	08/11/98	Johnston <u>et al.</u>	424	199.1	
	AS	5,797,870	08/25/98	March <u>et al.</u>	604	49	
Ble	AT	5,843,712	12/01/98	Levine	435	69	
	AU	5,811,407	09/22/98	Johnston <u>et al.</u>	514	44	

FOREIGN PATENT DOCUMENTS

		Document Number	Publ. Date	Country	Class	Subclass	Trans-Yes	lation No
Ble	BA	245,078	11/11/87	Europe	—	—		
Ble	BB	93/10814	06/10/93	PCT	—	—		
Ble	BC	95/05853	03/02/95	PCT	—	—		
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FORM PTO-1449 (Modified)	U.S. Dept. of Commerce Patent and Trademark Office	Atty. Docket No.: 1593.004	Serial No.: 09/551,977
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FOREIGN PATENT DOCUMENTS

		Document Number	Publ. Date	Country	Class	Subclass	Trans-Yes	lation No
✓	BD	WO 92/10578	06/25/92	PCT	—	—		
✓	BE	WO 88/00472	01/28/88	PCT	—	—		
✓	BF	WO 95/25788	09/28/95	PCT	—	—		
✓	BG	WO 95/19990	07/27/95	PCT	—	—		
✓	BH	WO 96/17072	06/06/96	PCT	—	—		
✓	BI	WO 94/17813	08/18/94	PCT	—	—		
✓	BJ	WO 95/07994	03/23/95	PCT	—	—		
✓	BK	WO 95/17525	06/29/95	PCT	—	—		
✓	BL	WO 95/27044	10/12/95	PCT	—	—		
✓	BM	WO 95/27069	10/12/95	PCT	—	—		
✓	BN	WO 96/37616	11/28/96	PCT	—	—		
✓	BO	WO 96/39830	12/19/96	PCT	—	—		
✓	BP	WO 97/38087	10/16/97	PCT	—	—		
✓	BQ	WO 95/31565	11/23/95	PCT	—	—		
✓	BR	WO 95/32733	12/07/95	PCT	—	—		
✓	BS	WO 99/11808	03/11/99	PCT	—	—		
✓	BT	WO 99/15641	04/01/99	PCT	—	—		
✓	BU	WO 99/25859	05/27/99	PCT	—	—		
✓	BF	WO 94/17813	08/18/94	PCT	—	—		
✓	BW	WO 97/16169	05/09/97	PCT	—	—		
✓	BX	WO 97/24447	07/10/97	PCT	—	—		
✓	BY	WO 97/30155	08/21/97	PCT	—	—		
✓	BZ	WO 97/44446	11/27/97	PCT	—	—		
✓	B1	WO 98/13511	04/02/98	PCT	—	—		
✓	B2	WO 98/15636	04/16/98	PCT	—	—		
✓	B3	WO 98/26084	06/18/98	PCT	—	—		
✓	B4	WO 98/36779	08/27/98	PCT	—	—		
✓	B5	WO 98/53077	05/20/98	PCT	—	—		
✓	B6	WO 99/09192	02/25/99	PCT	—	—		
✓	B7	WO 99/18226	04/15/99	PCT	—	—		
✓	B8	WO 99/25858	05/27/99	PCT	—	—		
✓	B9	WO 99/30734	06/24/99	PCT	—	—		
✓	B10	WO 94/26912	11/24/94	PCT	—	—	X	
✓	B11	WO 92/06693	04/30/92	PCT	—	—		
✓	B12	WO 91/02805	03/07/91	PCT	—	—		
✓	B13	WO 89/10973	11/16/89	PCT	—	—		

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OTHER CITATIONS (Including Author, Title, Date, Pertinent Pages, Etc.)

CA	✓	Berglund et al., "Semliki forest virus Expression System: Production of Conditionally Infectious Recombinant Particles" <u>Bio/Technology</u> 11:916-920, 1993
CB	✓	Berglund et al., "Alphavirus as Vectors for Gene Delivery" <u>Trends in Biotechnology</u> 14:130-134, 1996
CC	✓	Bredenbeek and Rice, "Animal RNA Virus Expression Systems" <u>Seminars Virology</u> 3:297-310, 1992
CD	✓	Bredenbeek et al., "Sindbis Virus Expression Vectors: Packaging of RNA Replicons by Using Defective Helper RNAs" <u>Journal Virology</u> 67(11):6439-6446, 1993
CE	✓	Brossart et al., "Virus-Mediated Delivery of Antigenic Epitopes into Dendritic Cells as a Means to Induce CTL" <u>J. Immunology</u> 158(158):3270-3276, 1997
CF	✓	Davis et al., "In Vitro Synthesis of Infectious Venezuelan Equine Encephalitis Virus RNA from a cDNA Clone: Analysis of a Viable Deletion Mutant" <u>Virology</u> 171:189-204, 1989
CG	✓	Davis et al., "Protection Against Influenza in Mice by Vaccination with a Venezuelan Equine Encephalitis Virus Vector Expressing the HA Protein" <u>J. Cell Biochem. Suppl.</u> 19A 310, Abstract No. J2-308, 1995
CH	✓	Dubensky et al., "Sindbis Virus DNA-Based Expression Vectors: Utility for in vitro and in vivo Gene Transfer" <u>Journal Virology</u> 70(1):508-519, 1996
CI	✓	Dubuisson and Rice, "Sindbis Virus Attachment: Isolation and Characterization of Mutants with Impaired Binding to Vertebrate Cells" <u>J. Virology</u> 67(6):3363-3374, 1993
CJ	✓	Frolov et al., "Sindbis Virus Replicons and Sindbis Virus: Assembly of Chimeras and of Particles Deficient in Virus RNA" <u>J. Virology</u> 71(4):2819-2829, April, 1997
CK	✓	Frolov et al., "Alphavirus-Based Expression Vectors: Strategies and Applications" <u>Proc. Natl. Acad. Sci. USA</u> 93:11371-11377, October, 1996
CL	✓	Frolov and Schlesinger, "Comparison of the Effects of Sindbis Virus and Sindbis Virus Replicons on Host Cell Protein Synthesis and Cytopathogenicity in BHK Cells" <u>J. Virology</u> 68(3):1721-1727, 1994
CM	✓	Geigenmuller-Gnirke et al., "Complementation between Sindbis Viral RNAs Produces Infectious Particles with a Bipartite Genome" <u>Proc. Natl. Acad. Sci. USA</u> 88:3253-3257, 1991
CN	✓	Hahn et al., "Infectious Sindbis Virus Transient Expression Vectors for Studying Antigen Processing and Presentation" <u>Proc. Natl. Acad. Sci. USA</u> 89:2679-2683, April, 1992
CO	✓	Herweijer et al., "A Plasmid-Based Self-Amplifying Sindbis Virus Vector: <u>Human Gene Therapy</u> 6:1161-1167, 1995
CP	✓	Huang et al., "RNA Viruses as Gene Expression Vectors" <u>Virus Genes</u> 3(1):85-91, 1989
CQ	✓	Johanning et al., "A Sindbis Virus mRNA Polynucleotide Vector Achieves Prolonged and High Level Heterologous Gene Expression in vivo" <u>Nucleic Acids Research</u> 23(9):1495-1501, 1995
CR	✓	Levis et al., "Promoter for Sindbis Virus RNA-Dependent Subgenomic RNA Transcription" <u>J. Virology</u> 64(4):1726-1733, 1990
CS	✓	Liljestrom and Garoff, "A New Generation of Animal Cell Expression Vectors Based on the Semliki Forest Virus Replicon" <u>Bio/Technology</u> 9:1356-1361, 1991
CT	✓	Liljestrom, "Alphavirus Expression Systems" <u>Current Opinion in Biotechnology</u> 5:495-500, 1994
CU	✓	London et al., "Infectious Enveloped RNA Virus Antigenic Chimeras" <u>Proc. Natl. Acad. Sci. USA</u> 89:207-211, January, 1992
CV	✓	Peters and Dalrymple, Chapter 26, entitled "Alphaviruses" - "Virology" second edition, edited by B.N. Fields, D.M. Knipe et al. Raven Press, Ltd., New York, 1990
CW	✓	Polo et al., "Stable Alphavirus Packaging Cell Lines for Sindbis Virus-and Semliki Forest Virus-Derived Vectors" <u>Proc. Natl. Acad. Sci. USA</u> 96:4598-4603, April, 1999
CX	✓	Pushko et al., "Replicon-Helper Systems from Attenuated Venezuelan Equine Encephalitis Virus: Expression of Heterologous Genes in Vitro and Immunization Against Heterologous Pathogens in Vivo" <u>Virology</u> 239:389-401, 1997

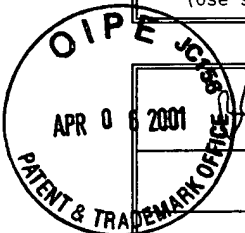
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	CY	✓	Rice et al., "Production of Infectious RNA Transcripts from Sindbis Virus cDNA Clones: Mapping of Lethal Mutations, Rescue of a Temperature-Sensitive Marker, and in vitro Mutagenesis to Generate Defined Mutants" <u>J. Virology</u> 61(12):3809-3819, 1987
	CZ	✓	Rolls et al., "Novel Infectious Particles Generated by Expression of the Vesicular Stomatitis Virus Glycoprotein from a Self-Replicating RNA" <u>Cell</u> 79:497-506, 1994
	C1	✓	Rolls et al., "Expression of Additional Genes in a Vector Derived from a Minimal RNA Virus" <u>Virology</u> 218:406-411, 1996
	C2	✓	Sarver and Stollar, "Sindbis Virus-Induced Cytopathic Effect in Clones of <u>Aedes albopictus</u> (Singh) Cells" <u>Virology</u> 80:390-400, 1997
	C3	✓	Schlesinger, "Alphaviruses - Vectors for the Expression of Heterologous Genes" <u>Trends Biotechnology</u> 11:18-22, 1993
	C4	✓	Smerdou and Liljestrom, "Two-Helper RNA System for Production of Recombinant Semliki Forest Virus Particles" <u>J. Virology</u> 73(2):1092-1098, February, 1999
	C5	✓	Strauss et al., "Complete Nucleotide Sequence of the Genomic RNA of Sindbis Virus" <u>Virology</u> 133:92-110, 1984
	C6	✓	Strauss and Strauss, "The Alphaviruses: Gene Expression, Replication, and Evolution" <u>Microbiological Reviews</u> 58(3):491-562, 1994
	C7	✓	Xiong et al., "Sindbis Virus: an Efficient, Broad Host Range Vector for Gene Expression in Animal Cells" <u>Science</u> 243(4895):1188-1191, March, 1989
	C8	✓	Zhou et al., "Self-Replicating Semliki Forest Virus RNA as Recombinant Vaccine" <u>Vaccine</u> 12(16):1510-1514, 1994
	C9	✓	Zhou et al., "Generation of Cytotoxic and Humoral Immune Responses by Nonreplicative Recombinant Semliki Forest Virus" <u>Proc. Natl. Acad. Sci. USA</u> 92:3009-3013, 1995
	C10	✓	Akbari et al., "DNA Vaccination: Transfection and Activation of Dendritic Cells as Key Events for Immunity" <u>J. Exp. Med.</u> 189:169-178, 1999
	C11	✓	Banchereau et al., "Dendritic Cells and the Control of Immunity" <u>Nature</u> 392:245-252, 1998
	C12	✓	Bender et al., "Improved Methods for the Generation of Dendritic Cells from Nonproliferating Progenitors in Human Blood" <u>J. Immunol. Methods</u> 196:121-135, 1996
	C13	✓	Bhardwaj, "Interactions of Viruses with Dendritic Cells: a Double-Edged Sword" <u>J. Exp. Med.</u> 186:795-799, 1997
	C14	✓	Byrnes et al., "Binding of Sindbis Virus to Cell Surface Heparan Sulfate" <u>J. Virol.</u> 72:7349-7356, 1998
	C15	✓	Cella et al., "Maturation, Activation, and Protection of Dendritic Cells Induced by Double-Stranded RNA" <u>J. Exp. Med.</u> 189:821-829, 1999
	C16	✓	Engelmayer et al., "Vaccinia Virus Inhibits the Maturation of Human Dendritic Cells: a Novel Mechanism of Immune Evasion" <u>J. Immunol.</u> 163:6762-6768, 1999
	C17	✓	Fugier-Vivier et al., "Measles Virus Suppresses Cell-Mediated Immunity by Interfering with the Survival and Functions of Dendritic and T Cells" <u>J. Exp. Med.</u> 186:813-823, 1997
	C18	✓	Hariharan et al., "DNA Immunization Against Herpes Simplex Virus: Enhanced Efficacy Using a Sindbis Virus-Based Vector" <u>J. Virol.</u> 72:950-968, 1998
	C19	✓	Klimstra et al., "Adaptation of Sindbis Virus to BHK Cells Selects for Use of Heparan Sulfate as an Attachment Receptor" <u>J. Virol.</u> 72:7357-7366, 1998
	C20	✓	MacDonald et al., "Role of Dendritic Cell Targeting in Venezuelan Equine Encephalitis Virus Pathogenesis" <u>J. Virol.</u> 74:914-922, 2000
	C21	✓	Salio et al., "Inhibition of Dendritic Cell Maturation by Herpes Simplex Virus" <u>Eur. J. Immunol.</u> 29:3245-3253, 1999
	C22	✓	Schlesinger and Dubensky, "Alphavirus Vectors for Gene Expression and Vaccines" <u>Curr. Opin. Biotechnol.</u> 10:434-439, 1999
	C23	✓	Timmerman and Levy, "Dendritic Cell Vaccines for Cancer Immunotherapy" <u>Annu. Rev. Med.</u> 50:507-529, 1999

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